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Dennis E O Larsson

EDUCATION

- 10/2018 – 11/2022 **PhD in Psychology**
University of Sussex, Brighton, United Kingdom
School of Psychology
Doctoral dissertation 'Perceiving the heart: Novel methods, clinical implications, and behavioural effects of cardiac interoceptive signals'
Supervisors: Prof. Sarah N. Garfinkel; Prof. Zoltan Dienes
- 08/2015 – 06/2017 **MSc in Cognitive Science**
Umeå University, Umeå, Sweden
Equivalent of First-Class Honours
Experimental dissertation 'Evoking the illusion of dual self-location and dual body-ownership'
Supervisors: Prof. H. Henrik Ehrsson; Dr Johan Eriksson
- 08/2012 – 06/2015 **BSc in Cognitive Neuroscience**
University of Skövde, Skövde, Sweden
Cognitive neuroscience and philosophy

EMPLOYMENT

- 01/2026 – present **Postdoctoral Research Fellow**
Institut für Kinder- und Jugendpsychiatrie, Christian-Albrechts-Universität zu Kiel, Kiel, Germany
Host: Prof. Michael Skeide
- 03/2024 – 09/2025 **Data Scientist** (remote location)
University College London, London, United Kingdom
- 04/2022 – 03/2024 **Postdoctoral Researcher**
Karolinska Institutet, Stockholm, Sweden
Body, Brain and Self Laboratory (Ehrsson Lab), Department of Neuroscience
Supervisor: Prof. H. Henrik Ehrsson
- 12/2017 – 10/2018 **Research Assistant**
Brighton and Sussex Medical School, Brighton, United Kingdom
Department of Neuroscience, Brighton and Sussex Medical School
Sackler Centre for Consciousness Studies, University of Sussex

06/2017 – 11/2017 **Research Assistant** (Master's Thesis Internship)
Karolinska Institutet, Stockholm, Sweden
Body, Brain and Self Laboratory (Ehrsson Lab), Department of Neuroscience

03/2016 – 06/2016 **Research Assistant**
Umeå University, Umeå, Sweden
Umeå Center for Functional Brain Imaging
Supervisor: Dr. Johan Eriksson

FUNDING AND SCHOLARSHIPS

01/2026 – 12/2027 Alexander von Humboldt Research Fellowship
(€36,000 annually)

10/2018 – 11/2022 Leverhulme Trust Doctoral Scholarship (£15,000 annually)

REVIEWING

Applied Psychophysiology and Biofeedback, Consciousness and Cognition, Physiology and Behavior, Psychophysiology, Scientific Reports

SUPERVISION

07/2023 – 09/2023 Supervision of research intern (*Karolinska Institutet, Sweden*), including experiment design and piloting, data collection and analysis, and presentation of results and conclusions.

12/2018 – 07/2019 Supervision of research intern (*University of Sussex, United Kingdom*), including experiment design and piloting, data collection and analysis, and presentation of results and conclusions.

PUBLICATIONS

Quadt, L., Williams, G., Mulcahy, J., **Larsson, D. E. O.**, Silva, M., Arnold, A. J., Critchley, H. D., & Garfinkel, S. N., (2023). "I'm Trying to Reach Out, I'm Trying to Find My People": A Mixed-Methods Investigation of the Link Between Sensory Differences, Loneliness, and Mental Health in Autistic and Nonautistic Adults. *Autism in Adulthood*.

Rae, C. L., Raykov, P., Ambridge, E. M., Colling, L. J., Gould van Praag, C. D., Bouyagoub, S., Polanski, L., **Larsson, D. E. O.**, & Critchley, H. D., (2023). Elevated representational similarity of voluntary action and inhibition in Tourette syndrome. *Brain Communications*.

Strawson, W. H., Wang, H-T., Quadt, L., Sherman, M., **Larsson, D. E. O.**, Davies, G., Mckeown, B. L. A., Silva, M., Fielding-Smith, S., Jones, A-M., Hayward, M., Smallwood, J., Critchley, H. D., & Garfinkel, S. N., (2022). Voice hearing in borderline personality disorder across perceptual, subjective, and neural dimensions. *International Journal of Neuropsychopharmacology*.

Hayward, M., Jones, A-M., Strawson, W. H., Quadt, L., **Larsson, D. E. O.**, Silva, M., Davies, G., Fielding-Smith, S., Hazell, C. M., Critchley, H. D., & Garfinkel, S. N.,(2022). A cross-sectional study of auditory verbal hallucinations experienced by people with a diagnosis of borderline personality disorder. *Clinical Psychology & Psychotherapy*.

Larsson, D. E. O., Esposito, G., Critchley, H. D., Dienes, Z., & Garfinkel, S. N. (2021). Sensitivity to changes in rate of heartbeats as a measure of interoceptive ability. *Journal of Neurophysiology*.

Guterstam, A., **Larsson, D. E. O.**, Szczotka, J., & Ehrsson, H. H. (2020). Duplication of the bodily self: a perceptual illusion of dual full-body ownership and dual self-location. *Royal Society Open Science*, 7(12), 201911.

Rae, C. L., **Larsson, D. E. O.**, Eccles, J. A., Ward, J., & Critchley, H. D. (2020) Impact of cardiac interoception cues and confidence on voluntary decisions to make or withhold action in an intentional inhibition task. *Scientific Reports*, 10(1), 1-15.

Mulcahy*, J. S., **Larsson***, **D. E. O.**, Garfinkel, S. N., & Critchley, H. D. (2019). Heart rate variability as a biomarker in health and affective disorders: A perspective on neuroimaging studies. *Neuroimage*, 202.

*shared first authorship

Rae, C. L., **Larsson, D. E. O.**, Garfinkel, S. N., & Critchley, H. D. (2019). Dimensions of interoception predict premonitory urges and tic severity in Tourette Syndrome. *Psychiatry research*, 271, 469-475.

Guterstam, A., **Larsson, D. E. O.**, Zeberg, H., & Ehrsson, H. H. (2019). Multisensory correlations – Not tactile expectations – Determines the sense of body ownership. *PLoS ONE*, 14(2), e0213265.

Rae, C. L., **Larsson, D. E. O.**, Eccles, J. A., Ward, J., & Critchley, H. D. (2018). Subjective embodiment during the rubber hand illusion predicts severity of premonitory sensation and tics in Tourette Syndrome. *Consciousness and Cognition*, 65, 368-377.

TRAINING AND PROFESSIONAL DEVELOPMENT COURSES

9/2025 – 12/2025 *Intensive German course* (did Deutch Institute, Hamburg, Germany). German language course from level A1 to B2.

10/2023 *Data scientist with Python* (Datacamp). Programming course in data management and analysis mainly using the data packages Numpy and Pandas

10/2018 – 04/2019 *Advanced Research Methods* (University of Sussex, United Kingdom). A series of courses in quantitative methodology, including eye tracking, EEG, and functional Magnetic Resonance Imaging.

ORGANIZATIONAL ACTIVITIES

- 2018 – 2019 Co-organizer of Leverhulme Programme seminar series
- 2019 Co-organizer of Annual Leverhulme Conference;
Organizer of internal speakers and poster session
- 2019 – 2021 Committee member in University of Sussex Archery Club;
Competitions officer

COMPUTING AND CODING SKILLS

- Python Advanced skills in experiment task programming, data analysis and visualisation. Toolbox expertise includes Psychopy, Numpy, and Pandas
- MATLAB Advanced skills in experiment task programming, data analysis and visualisation, and fMRI data analysis using SPM12
- R Advanced skills in data analysis and visualisation
- fMRIPrep Advanced skill in fMRI data preprocessing
- SAS Basic skills in data access and manipulation, analysis, and visualisation
- SQL Basic skills in data access, analysis, and visualisation

LANGUAGE SKILLS

- Swedish Mother tongue
- English Fluent
- German Advanced
- Dutch Basic
- Polish Basic